

Notice of Allowability	Application No.	Applicant(s)	
	10/524,058	TANAKA ET AL.	
	Examiner	Art Unit	
	Jacob Y. Choi	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/7/2005.
2. ☒ The allowed claim(s) is/are 1-5.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>2/8/2005</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|--|

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on February 8, 2005 was considered by the examiner.

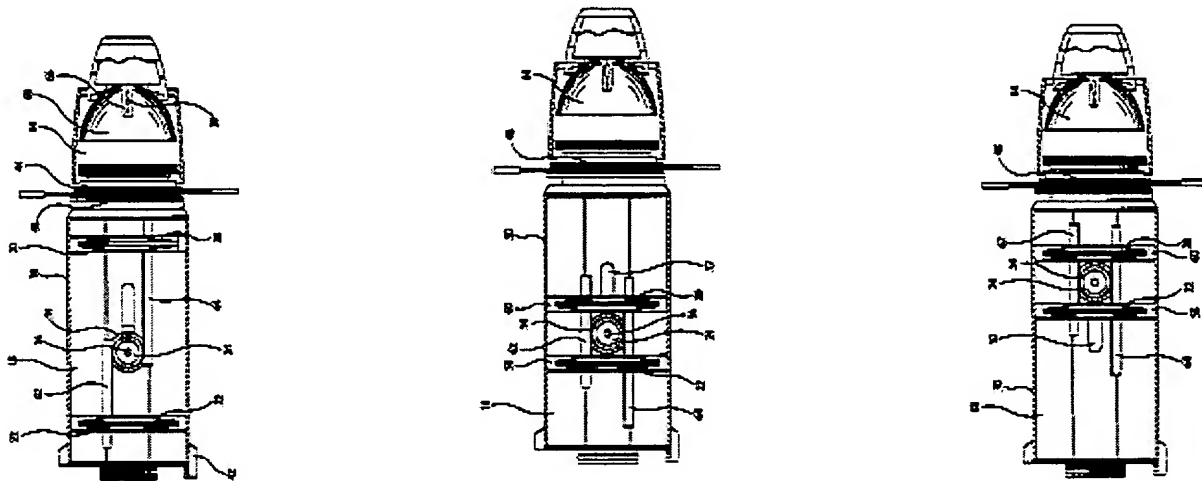
Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

The claim recites "A spotlight comprising a light source, a reflector and at least first and second lenses which are arranged in predetermined positions in a lamp body, a zoom adjustment mechanism for adjusting the distances between the lenses to adjust the size of the projected image, and a focus adjustment mechanism for adjusting the distance between the light source and each of the lenses to perform the focus adjustment of the transmitted light, wherein the zoom adjustment mechanism comprises a drive shaft which is arranged parallel to an optical axis and is rotated forward or backward by rotating a zoom adjustment handle, a first lens holder on which the first lens is mounted and which is screwed- coupled to a first screw section of the drive shaft to move forward or backward by the rotation of the drive shaft, and a second lens holder on which the second lens is mounted and which is screw-coupled to a second screw section of the drive shaft to move forward or backward by the rotation of the drive shaft, the focus adjustment mechanism comprises a base which is supported so as to be slid forward and backward along the optical axis and a focus adjustment handle for sliding the base forward and backward, and the drive shaft and the first and second lens holders are mounted on a base, and the first and second screw sections formed in the drive shaft are formed with predetermined pitches, respectively, such that each of the lenses is positioned at a predetermined position at which the focusing adjusted by the focus adjustment mechanism does not change even when the distances between the lenses are changed by the zoom adjustment mechanism."

Esakoff et al. (USPN 6,092,914) teaches a spotlight (e.g., 16) comprising a light source (e.g., 66, 70), a reflector (e.g., 68) and at least first (e.g., 20) and second (e.g., 22) lenses which are arranged in predetermined positions in a lamp body (e.g., 30), a zoom adjustment mechanism (e.g., 24, 26, 28) for adjusting the distances between the lenses (e.g., 20, 22) to adjust the size of the projected image, and a focus adjustment mechanism (e.g., 52, 76) for adjusting the distance between the light source (e.g., 16) and each of the lenses (e.g., 20, 22) to perform the focus adjustment of the transmitted light, wherein the zoom adjustment mechanism comprises drive shafts (e.g., 62, 64) which is arranged parallel to an optical axis (e.g., Figures 3-5) and is move forward or backward by rotating a zoom adjustment handle (e.g., Figure 6), a first lens holder (e.g., 24, 60) on which the first lens (e.g., 20) is mounted and which is coupled to a first section of the drive shaft (e.g., 64) to move forward or backward by the rotation of the drive shaft (e.g., 28), and a second lens holder (e.g., 24, 58) on which the second lens (e.g., 22) is mounted and which is coupled to a second section of the drive shaft (e.g., 62) to move forward or backward by the rotation of the drive shaft (e.g., 28), the focus adjustment mechanism comprises a base (e.g., 76) which is supported so as to be slid forward and backward along the optical axis and a focus adjustment handle (e.g., 24, 26) for sliding (e.g., 52) the base forward and backward, and the drive shaft (e.g., 62, 64) and the first and second lens (e.g., 20, 22) holders (e.g., 24, 60, 24, 58) are adjacent to a base (e.g., 76), and the first and second sections (e.g., 62, 64) formed in the drive shaft are formed with predetermined pitches (e.g., Figures 3-4), respectively, such that each of the lenses is positioned at a predetermined position at which the

focusing adjusted by the focus adjustment mechanism does not change (e.g., Figure 4-5) even when the distances between the lenses are changed by the zoom adjustment mechanism.



Because none of the references disclosed the detailed structural limitations of the zoom adjustment mechanism having a drive shaft where the first and second lens holders are mounted on a base, and the first and second screw sections formed in the drive shaft are formed with predetermined pitches, nor is there any motivation to combine the details, the claims are deemed patentable over the prior art of record.

4. Claims 1-5 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Labrum (USPN 4,151,584) – light-collecting reflector

Little (USPN 4,519,020) – variable magnification stage

O. Erbe et al. (USPN 3,088,370) – adjustable lens mount

Tanaka et al. (USPN 6,837,596) – lighting device

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob Y. Choi whose telephone number is (571) 272-2367. The examiner can normally be reached on Monday-Friday (10:00-7:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Examiner
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JC



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